

Press Release

Rigaku Introduces Low Cost Benchtop EDXRF at PittCon 2011

Austin, TX – March 13, 2011. Rigaku today introduced a new low cost benchtop Energy Dispersive X-ray Fluorescence (EDXRF) spectrometer, the Rigaku NEX QC, at the 2011 Pittsburgh Conference (PittCon) in Atlanta, Georgia. On exhibit at Booth #4135, the compact NEX QC elemental analyzer delivers rapid quantitative determination of sodium (^{23}Na) to uranium (^{238}U) in solids, liquids, powders and alloys.

Specifically designed for routine quality control applications, the new Rigaku NEX QC features an intuitive “icon-driven” touch screen interface for easy operation and a built-in printer for convenience. The shuttered 50kV X-ray tube and Peltier cooled semiconductor detector deliver exceptional short-term repeatability and long-term reproducibility with excellent element peak resolution. This high voltage capability (50 kV), along with multiple automated X-ray tube filters, provides a wide range of applications versatility and low limits-of-detection (LOD). Options include fundamental parameters, automatic sample changer, sample spinner and helium purge for enhanced light element sensitivity. Applications for the NEX QC range across a broad spectrum of analytical needs, including: fuels, lubricating oils and other petrochemicals, minerals and mining, wood pressure treatments, conversion coatings, silicon coatings, cement, plastics and polymers, cosmetics and food.

In addition to the new instrument, the Rigaku booth will also feature the high performance Rigaku NEX CG benchtop EDXRF, introduced at PittCon in 2010, with its unique close-coupled Cartesian geometry (CG) optical kernel that dramatically increases signal-to-noise. By using secondary target excitation and polarization, the dramatic reduction in background noise and simultaneous increase in element peaks results in a spectrometer capable of routine trace element analysis even in difficult sample types.

About Rigaku

Since its inception in Japan in 1951, Rigaku has been at the forefront of analytical and industrial instrumentation technology. Rigaku and its subsidiaries form a global group focused on life sciences and general purpose analytical instrumentation. With hundreds of major innovations to its credit, Rigaku and its subsidiary companies are world leaders in the fields of small molecule and protein crystallography, X-ray spectrometry and diffraction, X-ray optics, as well as semiconductor metrology. Rigaku employs over 1,100 people globally and its products are in use in more than 70 countries – supporting research, development, production control and quality assurance activities. Throughout the world, Rigaku continuously promotes partnerships, dialog, and innovation within the global scientific and industrial community.

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